



Ecologically Based Weed Management: Concepts, Challenges, and Limitations

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DESCRIPTION

Protect crop yields and strengthen ecosystems with this essential guide

Research into weed management is an increasingly critical component of both environmental stewardship and food production. The potential cost of weed propagation can be measured in crop yield reductions, under-nourished populations, stymied economies, and more. The propagation of herbicide-resistant weed populations means that purely chemical weed management is no longer viable; food production can now be secured only with an ecological approach to weed control.

Ecologically-Based Weed Management details such approaches and their potential to manage weeds across a range of agricultural and environmental contexts. It emphasizes the deployment of ecological principles to prevent weed infestations, reduce crop losses, and strengthen ecosystems. In a time when growing population and changing climates are placing enormous pressure on global food production, this approach to weed management has never been more vital.

Ecologically-Based Weed Management readers will also find:

- A global team of expert contributors to a multidisciplinary approach
- Detailed discussion of topics like herbicide limitation, integrated weed management, and more
- Insights pertinent to agriculture, academia, government, industry, and more

Ecologically-Based Weed Management is ideal for researchers in agriculture chemistry, weed science, agronomy, ecology, and related fields, as well as for regulators and advanced students.

ABOUT THE AUTHOR

Nicholas E. Korres, PhD, is an Associate Professor of Agronomy and Weed Science at the Dept. of Agriculture, University of Ioannina, Greece. His research is focused on weed and crop biology, weed ecology and integrated weed control and he has published extensively on these and related subjects. He is a broad member of the Weed Science Society of Greece.

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